

Name \_\_\_\_\_

Date \_\_\_\_\_

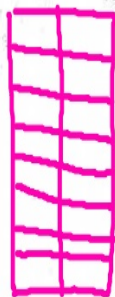
## Number Puzzles and Multiple Towers

## Number Puzzles: 1 Clue (page 1 of 2)

For each number puzzle, follow these steps.

- Find two numbers that fit each clue.
- Draw rectangles, and label the dimensions to show that your numbers fit the clue.
- List other numbers that also fit the clue.

1. This number of tiles will make a rectangle that is 2 tiles wide.

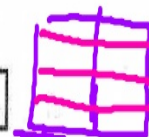
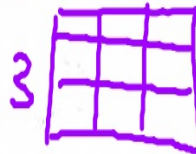
Number: 2Rectangle: 1 by 21 2

1 x 2 = 2

Number: 4Rectangle: 2 by 22 2

2 x 2 = 4

# of units 3



multiples of 2

What other numbers fit this clue? 2, 4, 6, 8, 10, 12...

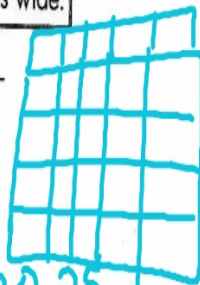
2. This number of tiles will make a rectangle that is 5 tiles wide.

Number: 5Rectangle: 1 by 51 5

1 x 5 = 5

Number: 10Rectangle: 2 by 52 5

2 x 5 = 10



multiples of 5

What other numbers fit this clue? 5, 10, 15, 20, 25...

3. This number of tiles will make only one rectangle.

Number: 1Rectangle: 1 by 11 1

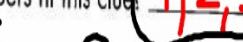
1 x 1 = 1

Number: 3Rectangle: 1 by 31 3

1 x 3 = 3



composite:  
factors more  
than 1 & self



Prime: only 1 & self

1, 2, 3, 5, 7, 11, 13